

CW



Per/10

H/10

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/009,069

DATE: 06/04/2002  
 TIME: 14:48:03

Input Set : A:\U 0137637.ST25.txt  
 Output Set: N:\CRF3\06042002\J009069.raw

ENTERED

3 <110> APPLICANT: LEVIN, ILAN  
 4 SCHAFER, ARTHUR  
 5 CINCAREVSKY, FELIX  
 7 <120> TITLE OF INVENTION: A MOLECULAR MARKED BASED ON THE Frk2 (FRUCTOKINASE 2) GENE  
 9 <130> FILE REFERENCE: U 013763-7  
 11 <140> CURRENT APPLICATION NUMBER: 10/009,069  
 C--> 12 <141> CURRENT FILING DATE: 2002-04-26  
 14 <150> PRIOR APPLICATION NUMBER: PCT/IL00/00335  
 15 <151> PRIOR FILING DATE: 2000-06-07  
 17 <160> NUMBER OF SEQ ID NOS: 4  
 19 <170> SOFTWARE: PatentIn version 3.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 26  
 23 <212> TYPE: DNA  
 24 <213> ORGANISM: Lycopersicon esculentum  
 26 <400> SEQUENCE: 1  
 27 cgccccgtga gttgaatctt gatctt 26  
 30 <210> SEQ ID NO: 2  
 31 <211> LENGTH: 26  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: Lycopersicon esculentum  
 35 <400> SEQUENCE: 2  
 36 cacaaggaca tggcggattc atcatc 26  
 39 <210> SEQ ID NO: 3  
 40 <211> LENGTH: 1080  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: LYCOPERSICON HIRSUTUM  
 44 <400> SEQUENCE: 3  
 45 catggcagtt aacgggtgctt ctctctctgg tttgatcgtc agtttcggtg agatgttgat 60  
 47 cgatttcggt cgcacagtct ccggcgctatc ccttgccgag gctcccggat ttttgaaagc 120  
 49 tcccggcggt gcaccggcga acgtcgctat cgcggtgacg aggctcggag ggaggtcggc 180  
 51 gttcgtcggg aaactcggcg acgatgagtt cggtcacatg ctccgccgga ttctgaaaac 240  
 53 gaacggcgta caagccgatg gaatcaattt tgacaagggc gccaggacgg ctttggcggtt 300  
 55 cgtgactcta cgcgccgacg gagagcgtga gtttatgttt tacagaaatc ccagtgccga 360  
 57 tatgttgctc acgcccgtg agttgaatct tgatcttatt agatctgcta aggtgttcca 420  
 59 ctatggatca attagtttga tcgtggagcc atgtagagca gcacatatga aggcaatgga 480  
 61 agtagctaag gaggcagggg cattgctctc ttatgaccct aaccttcggt tgccgtttgtg 540  
 63 gccttcagca gaagaagcca agaagcaaat caagagcata tgggactctg ctgatgtgat 600  
 65 caaggtcagc gatgtggagc tcgaattcct cactggaagc aacaagattg atgatgaatc 660  
 67 cgccatgtcc ttgtggcatc ctaacttgaa gctactcttg gtcactcttg gtgaaaaggg 720  
 69 ttgcaattac tacaccaaga aattccatgg aaccgttggg ggattccatg tgaagactgt 780  
 71 tgacaccact ggagctgggt attcttttgt tgggtgccct ctaaccaaga ttgttgatga 840  
 73 tcaaaccatt ctgcacgatg aagcaagggt gaaggaagta cttaggtttt catgtgcatg 900

## RAW SEQUENCE LISTING

DATE: 06/04/2002

PATENT APPLICATION: US/10/009,069

TIME: 14:48:03

Input Set : A:\U 0137637.ST25.txt

Output Set: N:\CRF3\06042002\J009069.raw

```

75 tggagccatc actacaacca agaaaggagc aatcccagct ttgcctactg catctgaagc 960
77 cctcactttg ctcaaggag gagcatagaa acatcatgtt atcttttttc ttttttccat 1020
79 cttcatatat ttccccccct ttatgagttt tttttaactt tgaagctagt aggaagcctt 1080
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 328
84 <212> TYPE: PRT
85 <213> ORGANISM: Lycopersicon esculentum
87 <400> SEQUENCE: 4
89 Met Ala Val Asn Gly Ala Ser Ser Ser Gly Leu Ile Val Ser Phe Gly
90 1 5 10 15
93 Glu Met Leu Ile Asp Phe Val Pro Thr Val Ser Gly Val Ser Leu Ala
94 20 25 30
97 Glu Ala Pro Gly Phe Leu Lys Ala Pro Gly Gly Ala Pro Ala Asn Val
98 35 40 45
101 Ala Ile Ala Val Thr Arg Leu Gly Gly Arg Ser Ala Phe Val Gly Lys
102 50 55 60
105 Leu Gly Asp Asp Glu Phe Gly His Met Leu Ala Gly Ile Leu Lys Thr
106 65 70 75 80
109 Asn Gly Val Gln Ala Asp Gly Ile Asn Phe Asp Lys Gly Ala Arg Thr
110 85 90 95
113 Ala Leu Ala Phe Val Thr Leu Arg Ala Asp Gly Glu Arg Glu Phe Met
114 100 105 110
117 Phe Tyr Arg Asn Pro Ser Ala Asp Met Leu Leu Thr Pro Ala Glu Leu
118 115 120 125
121 Asn Leu Asp Leu Ile Arg Ser Ala Lys Val Phe His Tyr Gly Ser Ile
122 130 135 140
125 Ser Leu Ile Val Glu Pro Cys Arg Ala Ala His Met Lys Ala Met Glu
126 145 150 155 160
129 Val Ala Lys Glu Ala Gly Ala Leu Leu Ser Tyr Asp Pro Asn Leu Arg
130 165 170 175
133 Leu Pro Leu Trp Pro Ser Ala Glu Glu Ala Lys Lys Gln Ile Lys Ser
134 180 185 190
137 Ile Trp Asp Ser Ala Asp Val Ile Lys Val Ser Asp Val Glu Leu Glu
138 195 200 205
141 Phe Leu Thr Gly Ser Asn Lys Ile Asp Asp Glu Ser Ala Met Ser Leu
142 210 215 220
145 Trp His Pro Asn Leu Lys Leu Leu Leu Val Thr Leu Gly Glu Lys Gly
146 225 230 235 240
149 Cys Asn Tyr Tyr Thr Lys Lys Phe His Gly Thr Val Gly Gly Phe His
150 245 250 255
153 Val Lys Thr Val Asp Thr Thr Gly Ala Gly Asp Ser Phe Val Gly Ala
154 260 265 270
157 Leu Leu Thr Lys Ile Val Asp Asp Gln Thr Ile Leu Asp Asp Glu Ala
158 275 280 285
161 Arg Leu Lys Glu Val Leu Arg Phe Ser Cys Ala Cys Gly Ala Ile Thr
162 290 295 300
165 Thr Thr Lys Lys Gly Ala Ile Pro Ala Leu Pro Thr Ala Ser Glu Ala
166 305 310 315 320
169 Leu Thr Leu Leu Lys Gly Gly Ala

```

RAW SEQUENCE LISTING

DATE: 06/04/2002

PATENT APPLICATION: US/10/009,069

TIME: 14:48:03

Input Set : A:\U 0137637.ST25.txt

Output Set: N:\CRF3\06042002\J009069.raw

170

325

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/009,069

DATE: 06/04/2002

TIME: 14:48:04

Input Set : A:\U 0137637.ST25.txt

Output Set: N:\CRF3\06042002\J009069.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date